



Anti-Radiation Wall for external radiation protection

wastewater sprinklers/sprayer

Filters membrane

For controlling temperature, humidity and light in the system

$N_2$ ,  $NO_2^-$ ,  $NO_3^-$ ,  $NH_4^+$

Algae Culture  
Produce oxygen and edible biomass

Aquatic Animal Zone

Toilet

Lamp

Plants

decomposers  
fixation

Waste water management

Clean water Tank

Reuse water

Clean water Tank

Battery Backup (Electric Energy supply)